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POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT

NJD321002059 7

Fort Monmouth #1: Main Post
Site Name

NJ3212597
EPA Site ID Number

Tinton Falls, New Jersey
Address New Jersey

02-841-36A
TDD Number

Date of Site Visit: Not applicable

SITE DESCRIPTION

The Main Post and Charles Wood Area (CWA) of the Ft. Monmouth military installation are located in Tinton Falls, NJ about 3 miles west of the coastal community of Long Branch. For the purpose of this evaluation the two posts are treated as one site. Research and development in the areas of communications systems, electronics and surveillance, along with support activities has produced a wide variety of industrial and domestic waste on the installation.

The 8 landfills scattered across the site (7 on Main Post, 1 on CWA) contain unknown quantities of pesticide cans, batteries, asbestos, medicinal chemicals, sewage treatment plant sludge, etc. In addition, the sludge drying beds of both facilities' sewage treatment plant's are suspected of containing heavy metals and a variety of organic wastes from disposal in laboratory sinks and hoods.

There are several acres of wetlands along or within the boundaries of both posts. On-site streams and a man-made lake make the site conducive to surface migration of pollutants into the Shrewsbury River, a wide tidal estuary used primarily for recreation. The underlying Red Bank Aquifer is also in danger of contamination.

PRIORITY FOR FURTHER ACTION: High__X Medium___ Low___

RECOMMENDATIONS It is recommended that this site be investigated immediately due to its proximity to surface waters and endangered wildlife habitat.

389427

Prepared by: Laurie Gneiding
of NUS Corporation

Date: 12/19/85

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
NJ 3120020597

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)
Fort Monmouth #1 Main Post

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Tinton and Pinebrook

03 CITY
Tinton Falls

04 STATE: NJ
05 ZIP CODE: 07724
06 COUNTY: Monmouth
07 COUNTY CODE: 025
08 CONG DIST.: 10

09 COORDINATES
LATITUDE: 40° 19' 18". N
LONGITUDE: 074° 02' 30". W

10 DIRECTIONS TO SITE (Starting from nearest public road)
Garden State Parkway south to exit 109. East on Springs Road. Make right onto Route 35 (Broad St) to Ft. Monmouth

III. RESPONSIBLE PARTIES

01 OWNER (if known)
U.S. Gov't. Dept. of Defense

02 STREET (Business, mailing, residential)

03 CITY
Washington, DC

04 STATE
05 ZIP CODE
06 TELEPHONE NUMBER ( )

07 OPERATOR (if known and different from owner)

08 STREET (Business, mailing, residential)

09 CITY

10 STATE
11 ZIP CODE
12 TELEPHONE NUMBER ( )

13 TYPE OF OWNERSHIP (Check one)
___ A. PRIVATE
X B. FEDERAL: DOD (Agency name)
___ C. STATE
___ D. COUNTY
___ E. MUNICIPAL
___ F. OTHER: (Specify)
___ G. UNKNOWN

14. OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
___ A. RCRA 3001 DATE RECEIVED: / /
___ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: / /
X C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
___ YES DATE: / /
X NO

BY (Check all that apply)
___ A. EPA
___ B. EPA CONTRACTOR
___ C. STATE
___ D. OTHER CONTRACTOR
___ E. LOCAL HEALTH OFFICIAL
___ F. OTHER: (Specify)
CONTRACTOR NAME(S):

02 SITE STATUS (Check one)
X A. ACTIVE
___ B. INACTIVE
___ C. UNKNOWN

03 YEARS OF OPERATION
1925 BEGINNING
N/A ENDING
___ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Various heavy metals, pesticides, and organic chemicals

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Surface water and soil contamination is probable. Possible groundwater contamination.

IV. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste information and Part 3 - Description of Hazardous Conditions and Incidents)
X A. HIGH (Inspection required promptly)
___ B. MEDIUM (Inspection required)
___ C. LOW (Inspection on time available basis)
___ D. NONE (No further action needed. complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Diana Messina	U.S. EPA Region II	(201) 321-6776

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Laurie Gneiding	US EPA	NUS Corp.	(201) 225-6160	12 /13 /85

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
NJ 3120020597

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- _ A. SOLID
- _ B. POWDER, FINES
- X C. SLUDGE
- X E. SLURRY
- X F. LIQUID
- _ G. GAS
- _ D. OTHER _____ (Specify)

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS: Unknown
- CUBIC YARDS: Unknown
- NO. OF DRUMS: Unknown

03 WASTE CHARACTERISTICS (Check all that apply)

- X A. TOXIC
- X B. CORROSIVE
- X C. RADIOACTIVE
- X D. PERSISTENT
- X E. SOLUBLE
- X F. INFECTIOUS
- X G. FLAMMABLE
- X H. IGNITABLE
- X I. HIGHLY VOLATILE
- X J. EXPLOSIVE
- X K. REACTIVE
- X L. INCOMPATIBLE
- _ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	Unknown		Sewage treatment plant sludge
OLW	OILY WASTE	Unknown		
SOL	SOLVENTS	Unknown		
PSO	PESTICIDES	Unknown		
OCC	OTHER ORGANIC CHEMICALS	Unknown		Medical chemicals see below
IOC	INORGANIC CHEMICALS	Unknown		batteries.
ACD	ACIDS	Unknown		
BAS	BASES	Unknown		
MES	HEAVY METALS	Unknown		Batteries

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

SEE ATTACHMENT A & B & C

CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
IOC	Asbestos	1332-21-4	Unlined waste pit	Unknown	Unknown
IOC	Bromine	7726-95-6	Open Landfill	Unknown	Unknown
IOC	Ferrocyanide	151-50-8	Open Landfill	Unknown	Unknown
IOC	Hydrazine	302-01-2	Open Landfill	Unknown	Unknown
OCC	Formaldehyde	50-00-0	Open Landfill	Unknown	Unknown
OCC	Dimethyl Sulfate	77-78-1	Open Landfill	Unknown	Unknown
SOL	Benzene	71-43-2	Open Landfill	Unknown	Unknown
SOL	Chloroform	67-66-3	Open Landfill	Unknown	Unknown
SOL	Trichloroethene	79-01-6	Open Landfill	Unknown	Unknown
SOL	Carbon Tetrachloride	56-23-5	Open Landfill	Unknown	Unknown
SOL	Tertrachloroethene	127-18-4	Open Landfill	Unknown	Unknown
SOL	Xylene	1330-20-7	Open Landfill	Unknown	Unknown
ACD	Hydrofluoric Acid	7664-39-3	Open Landfill	Unknown	Unknown
ACD	Sulfuric Acid	7664-93-9	Open Landfill	Unknown	Unknown
PSD	DDT	50-29-3	Open Landfill	Unknown	Unknown
PSD	Abate	338-39-68	Open Landfill	Unknown	Unknown
PSD	2,4-D	94-75-7	Open Landfill	Unknown	Unknown
PSD	Dacthal		Open Landfill	Unknown	Unknown
PSD	2,4,5-T	93-76-5	Open Landfill	Unknown	Unknown
PSD	Sodium Arsenite		Open Landfill	Unknown	Unknown
PSD	Amitrole	61-82-5	Open Landfill	Unknown	Unknown
PSD	Simazine		Open Landfill	Unknown	Unknown
PSD	Dalapon		Open Landfill	Unknown	Unknown

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	See Attachment C		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (See specific references. e.g., state files, sample analysis, reports)

Installation Assessment of Ft. Monmouth: Report No. 171, U.S. Army Toxic and Hazardous Materials Agency, 1979.

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
NJ 3120020597

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	Beryllium Oxide				
MES	Gold	7440-57-5	Open Landfill	Unknown	
MES	Silver	7440-22-4	Open Landfill	Unknown	
MES	Platinum	7440-06-4	Open Landfill	Unknown	
MES	Chromium	7440-47-3	Open Landfill	Unknown	
MES	Nickel	7440-04-0	Open Landfill	Unknown	
MES	Cadmium	7440-43-9	Open Landfill	Unknown	
MES	Copper	7440-50-8	Open Landfill	Unknown	
MES	Zinc	7440-66-6	Open Landfill	Unknown	
	Lithium Salts		Effluent	15	Gal/yr.
	Silicon		Effluent	0.06	Gal/yr.
SOL	Acetone	67-64-1	Effluent	15	Gal/yr.
SOL	Petroleum		Effluent	3	Gal/yr.
ACD	Hydrochloric Acid		Effluent	103	Gal/yr.
ACD	Nitric Acid		Effluent	13	Gal/yr.
ACD	Acetic Acid	64-19-7	Effluent	4	Gal/yr.
ACD	Phosphoric Acid	766-43-82	Effluent	3	Gal/yr.
ACD	Peroxide		Effluent	5	Gal/yr.
BAS	Sodium Hydroxide		Effluent	8	Gal/yr.
BAS	Potassium Hydroxide	131-05-83	Effluent	23	Gal/yr.
BAS	Ammonium Hydroxide	133-62-12	Effluent	4	Gal/yr.
BAS	Aluminum Hydroxide	216-45-512	Effluent	7	Gal/yr.
IOC	Iodine		Effluent	1	Gal/yr.
IOC	Copper Sulfate		Effluent	0.2	Gal/yr.
IOC	Diammonium Sulfate		Effluent		Gal/yr.
IOC	Ammonium Persulfate	772-75-40	Effluent	300	Gal/yr.
IOC	Ferric Chloride		Effluent	5	Gal/yr.
OCC	Freon		Effluent	0.6	Gal/yr.

ATTACHMENT

INVENTORY OF CHEMICALS USED OR FOUND ON SITE
(ONHAND IN VARIOUS AMOUNTS)

OCC	Dichlorodifluromethane
OCC	Monochlorotrifluoromethane
OCC	Trichloromonofluoromethane
SOL	Methylene chloride
PSD	Malathion (57%)
PSD	Dibrom (85%)
PSD	Lindane (12%)
PSD	Dursban (41.2%)
PSD	Chlordane (72%) (73.6%)
PSD	Baygon (13.9%)
PSD	Baygon Bait (2%)
PSD	Sevin (41.8%)
PSD	Diazinon dust (2%)
PSD	Diazinon (48%)
PSD	Diphacinone (0.0025%)
PSD	Warfarin (0.5%) (4%)
PSD	Zinc phosphide (85%)
PSD	Phostoxan (55%)
PSD	Borocil IV (94%)
PSD	Seedar 64 (49%)
PSD	Subcide (1.85%)
PSD	Aqua Thiol Plus (22.1%)
PSD	Resmithrin (Aerosol type, 1.2%)
OCC	Denatured alcohol
OCC	Lacquers
SOL	Turpentine 8030306
SOL	Paint thinners
IOC	Ammonium fluoride
IOC	Chloro-Kleen
IOC	Potassium cyanide
IOC	Silver nitrate
IOC	Molybdenum carbonyl
IOC	Potassium dichromate
MES	Mercuric oxide
IOC	Phosphorus pentoxide
MES	Strontium hydroxide
MES	Strontium acetate
IOC	Sodium fluoride
MES	Selenium
MES	Sodium metal
MES	Zinc carbonate
MES	Zinc nitrate
MES	Samarium nitrate
MES	Samarium fluoride
MES	Antimony fluoride 7783564
MES	Antimony trioxide
MES	Beryllium nitrate
MES	Beryllium oxide
MES	Chromium nitrate
MES	Chromic chloride
MES	Chromic oxide
MES	Chromium sulfide
MES	Arsenic 7440382
IOC	Dysprosium nitrate
IOC	Dysprosium fluoride
IOC	Europium fluoride
IOC	Gallium arsenide
IOC	Holmium fluoride
IOC	Lanthanum fluoride
MES	Mercury iodate
IOC	Ammonium bifluoride
OCC	Decahydronaphthalene
OCC	1,2-Dichloroethane
OCC	Toluene diisocyanate
OCC	Aniline 62-53-3
IOC	Lithium tetrafluoroborate
IOC	Lithium perchlorate
IOC	Perchloric acid
OCC	Acetonitrile 75058
OCC	Triethanolamine
OCC	Diethanolamine
OCC	Dimethyl sulfoxide
IOC	Cuprous cyanide
IOC	Silver cyanide
IOC	Gold cyanide
IOC	Ammonium bromide 12124979
MES	Lead monoxide
MES	Lead chloride
MES	Nickel (ous) chloride
IOC	Potassium chromate
IOC	Phosphoric anhydride
IOC	Potassium persulfate 7778805
OCC	Piperidine
OCC	Pyriline
SOL	Toluene
OCC	Metholnaphthalene
OCC	Ether, anhydrous
OCC	Nitrobenzene
OCC	Butyl acetate
OCC	Amyl acetate
OCC	Benzenesulfonyl chloride
OCC	Phosphoric acid
IOC	Potassium fluoride 7789233
SOL	Tetrahydrofuran
SOL	Methyl ethyl ketone
OCC	Nitromethane
MES	Mercuric chloride
MES	Cadmium sulfate
MES	Mercuric sulfate
MES	Cadmium nitrate
MES	Mercuric nitrate
MES	Lithium fluoride
OCC	Dichloroethane
MES	Lead methacrylate
MES	Cadmium carbonate
MES	Cadmium chloride
MES	Cadmium oxide
IOC	Calcium hydroxide
MES	Lead fluoride
MES	Lead carbonate
OCC	Oxalic acid
OCC	Acetyl acetone 123546
OCC	Carbon disulfide
MES	Mercuric cyanide
MES	Mercuric potassium thiocyanate
MES	Silver chromate
MES	Mercuric iodide
MES	Mercury
MES	Arsenous acid anhydride
MES	Arsenic trioxide 1327533
OCC	Triethylamine
OCC	Phenylphosphine thiodichloride
OCC	Furan
IOC	Sodium perchlorate
IOC	Sodium zinc chromate
IOC	Sodium chromate
MES	Zinc perchlorate
MES	Chromium trioxide
OCC	Phenol
OCC	Sodium azide
PSD	Chloramine T
PSD	Rexyn (rat poison)
PSD	Sodium arsenite
IOC	Ammonia 7664417
MES	Arsenic Acid 7778394
MES	Potassium (metal)
MES	Oakite #33 and #34
OCC	Trichlorotrifluoroethane

ATTACHMENT C

PESTICIDE INVENTORY (MARCH 1979)

Nomenclature		Registration Number	Size and Type Container	Quantity
Anticoagulatant	0.3%	DSA-4-063423-OPC 409	1 lb can	9 lbs
Aqua Thol Plus	22.1%	USDA 4581-183	5 gal can	5 gals
Baygon	13.9%	EPA 3125-214-2A	1 gal can	40 gals
Baygon bait	2%	EPA 3125-121-2A	5 lb plastic jug	135 lbs
Borocil IV		EPA 10659-52	50 lb bags	850 lbs
Chlordane	72%	EPA 876-104AA	5 gal can	60 gals
Chlordane	72%	EPA 6830-15	5 gal can	20 gals
Chlordanen	73.6%	EPA 551-133	5 gal can	12 gals
Diazinon	48.2%	EPA 551-220	1 gal can	14 gals
Diazinon dust	2%	USDA 279-1921	25 lb can	77 lbs
Dibrom (concentrate)	85%	EPA 239-1721AA	5 gal can	27 gals
Dibrom	80%	DAAB 07-74m-0914	5 gal can	45 gals
Diphacinone (rodenticide)	0.0025%	EPA 5642	10 lb boxes	30 lbs
Diphacinone	0.0025%	EPA 56-41	10 lb boxes	30 lbs
Diphacinone	0.0025%	EPA 56-20	20 lb boxes	15 lbs
Oursban	41.2%	EPA 461-MI-I	5 gal can	38 gals
Floriable sevin	41.8%	EPA 904-137	1 gal plastic jug	138 gals
Lindane	12%	EPA 531-121	5 gal can	30 gals
Malathion	57%	EPA 551-131	5 gal can	162 gals
Malathion	57%	EPA 551-131	1 gal can	80 gals
Methar 50	50%	USDA 1001-13	50 lb cardboard drum	50 lbs
Phostoxan	55%	EPA 5857-2	2.3 lb aluminum container (1,660 pellets)	4,850 pellets
Resmithrin (aerosol type)	1.2%	EPA 9143-49	12 oz aerosol	2,880 ozs.
Subcide	1.85%	USDA 334-225	6 gal can	6 gals
Warfarin	.5%	Stock #51-RR-480	1 lb can	3 lbs
Warfarin	4%	Mipr-R-573-2-27-(QM)07	4 oz can	384 ozs
Weedar 64	47.3%	EPA 264-2AA	5 gal can	45 gals
Zinc phosphide	80%	Stock #8500-761520	1 oz bottle	184 ozs
Zinc phosphide	80%	Stock #51-R-465	1 oz bottle	318 ozs
Diphacinone	0.005%	EPA 9319-3	20 lb boxes	200 lbs

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 X A. GROUNDWATER CONTAMINATION 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 22700 04 NARRATIVE DESCRIPTION

The potential exists as the groundwater is very shallow (0-4 feet) and is a recharge area for the Red Bank sand aquifer. Private drinking water wells are within the three mile radius of Fort Monmouth.

01. X B. SURFACE WATER CONTAMINATION 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 22700 04 NARRATIVE DESCRIPTION

The potential exists as the present landfill is adjacent to the southern bank of Parker's Creek. Former landfill's drainage areas drain into the Husky Brook. The STP discharged into Parker's Creek.

01 X C. CONTAMINATION OF AIR 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 4127 04 NARRATIVE DESCRIPTION

There is a pathogenic waste incinerator on site and contaminated dusts could cause health effects.

01. X D. FIRE/EXPLOSIVE CONDITIONS 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: approx. 4100 04 NARRATIVE DESCRIPTION

The potential exists as many chemicals found onsite are potentially explosive, i.e. lacquers, hydrazine, and various solvents.

01. X E. DIRECT CONTACT 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 4100 04 NARRATIVE DESCRIPTION

The potential exists as the landfills are not capped or covered.

01 X F. CONTAMINATION OF SOIL 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 AREA POTENTIALLY AFFECTED: approx. 1280 (ACRES) 04 NARRATIVE DESCRIPTION

The soil may be contaminated due to practices of burying wastes.

01. X G. DRINKING WATER CONTAMINATION 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 100 04 NARRATIVE DESCRIPTION

The potential exists as groundwater is used for potable water for several private wells within the three mile radius of Fort Monmouth.

01 X H. WORKER EXPOSURE/INJURY 02 X OBSERVED (DATE: early 1970's) _ POTENTIAL _ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Contractor personnel overcome by in situ fumes during cleaning operations at lime neutralization tanks.

01 X I. POPULATION EXPOSURE/INJURY 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 22700 04 NARRATIVE DESCRIPTION

The potential exists as the surface water, soil and possibly the Sewage Treatment Plant are contaminated.

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 X J. DAMAGE TO FLORA
02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

The potential exists as the surface waters and soils may be contaminated.

01 X K. DAMAGE TO FAUNA
02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

The potential exists as the area adjacent to the site is a potential habitat for the endangered Pine Barrens tree frog. The area around the site supports a large water fowl population.

01 X L. CONTAMINATION OF FOOD CHAIN
02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

The potential exists as leachate from the landfills may contaminated streams.

01 X M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)
02 X OBSERVED (DATE: late 1960's) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 22700
04 NARRATIVE DESCRIPTION

Spills occurred during refilling of fuel tanks. Radioactive materials such as tritium have been spilled.

01 X N. DAMAGE TO OFFSITE PROPERTY
02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

The potential exists as the landfills are adjacent to streams flowing to the Shrewsbury River.

01 X O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

The potential exist wastes are discharged to an industrial line that subsequently empties to the sanitary sewer.

01 X P. ILLEGAL/UNAUTHORIZED DUMPING
02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

The potential exists for onsite unauthorized dumping by base personnel.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Radiation wastes have been stored onsite. Radioactive materials include plutonium-238, thorium-232, uranium, americium-241, cobalt-60, hydrogen-3, polonium-210, radium-226, cobalt-57, etc.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 22700

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references. e.g., state files, sample analysis, reports)

Installation Assessment of Ft. Monmouth: Report No. 171, U.S Army Toxic and Hazardous Materials Ageny, 1979.